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### **Vehicle adaptive cruise control system and method - Patent 6580996**

An automatic cruise control system and method for a host **vehicle** that includes a **vehicle** follow mode when the host **vehicle** detects an in-path **vehicle** and an ...  
[www.freepatentsonline.com/6580996.html](http://www.freepatentsonline.com/6580996.html) - 28k - [Cached](#) - [Similar pages](#)

### **Audi Worldwide > Glossary > Operation & Comfort > adaptive cruise ...**

If the braking process activated by the **adaptive cruise control** does not decelerate the **vehicle** sufficiently, an acoustic signal is triggered immediately to ...  
[www.audi.com/audi/com/en2/tools/glossary/operation\\_comfort/adaptive\\_cruise\\_control.html](http://www.audi.com/audi/com/en2/tools/glossary/operation_comfort/adaptive_cruise_control.html) - 37k - [Cached](#) - [Similar pages](#)

### **Adaptive Cruise Control**

TRW's **Adaptive Cruise Control** (ACC) technology improves upon the function of standard cruise control by automatically adjusting the **vehicle** speed and ...  
[www.trw.com/productsandtechnologies/main/0,1085,9\\_31\\_28071\\_28072%5E4%5E28072%5E28072,00.html](http://www.trw.com/productsandtechnologies/main/0,1085,9_31_28071_28072%5E4%5E28072%5E28072,00.html) - 37k - [Cached](#) - [Similar pages](#)

### **EETimes.com - Adaptive cruise control takes to the highway**

"**Adaptive cruise control** is the first system in a network of sensors," said .... That's because the space between the underside of the **vehicle** in front and ...  
[www.eetimes.com/story/OEG19981020S0007](http://www.eetimes.com/story/OEG19981020S0007) - 51k - [Cached](#) - [Similar pages](#)

### **TRW To Show Adaptive Cruise Control System That Automatically ...**

The **adaptive cruise control** system uses an automotive radar unit that automatically adjusts the **vehicle's** speed to keep an appropriate following distance ...  
[findarticles.com/p/articles/mi\\_m0EIN/is\\_2000\\_March\\_2/ai\\_59702592](http://findarticles.com/p/articles/mi_m0EIN/is_2000_March_2/ai_59702592) - 30k - [Cached](#) - [Similar pages](#)

### **DENSO Automotive OEM Products**

The **Adaptive Cruise Control** (ACC) System monitors the distance between your **vehicle** and the vehicles ahead, and regulates your speed. ...  
[www.globaldensoproducs.com/dcs/accs/](http://www.globaldensoproducs.com/dcs/accs/) - 13k - [Cached](#) - [Similar pages](#)

### **Chrysler - 2008 Chrysler 300 - Interior - Adaptive Control**

Learn about Chrysler 300's **Adaptive Cruise Control** (ACC) technology. ... The system is easily monitored from the Electronic **Vehicle** Information Center ...  
[www.chrysler.com/en/2008/300/driving\\_dynamics/adaptive\\_control/](http://www.chrysler.com/en/2008/300/driving_dynamics/adaptive_control/) - 38k - [Cached](#) - [Similar pages](#)

### **Optimal Adaptive Cruise Control with Guaranteed String Stability ...**

At the upper level, desired **vehicle** acceleration is computed based on **vehicle** ... Liang, C. and Peng, H.: Optimal **Adaptive Cruise Control** with Guaranteed ...  
[citeseer.ist.psu.edu/473270.html](http://citeseer.ist.psu.edu/473270.html) - 22k - [Cached](#) - [Similar pages](#)

### **Road Detection and Vehicle Tracking by Vision for Adaptive Cruise ...**

Road Detection and **Vehicle** Tracking by Vision for **Adaptive Cruise Control**. R. Aufrère. Laboratoire des Sciences et Matériaux, pour l'Electronique et ...  
[ijr.sagepub.com/cgi/content/abstract/20/4/267](http://ijr.sagepub.com/cgi/content/abstract/20/4/267) - [Similar pages](#)

[PDF] **Adaptive Cruise Control System Overview**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

**Adaptive Cruise Control.** System Overview. 1 Introduction. **Adaptive Cruise Control**

(ACC) is an automotive feature that allows a **vehicle's** cruise control ...

ocw.mit.edu/.../16-358JSpring-2005/9C66D9E8-81A0-45D9-A643-

CFB821E19AD8/0/acc.pdf - [Similar pages](#)

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[C Liang](#)

**Active vehicle deceleration in an adaptive cruise control system - all 3 versions »**

PI Labuhn, WJ Chundrlik Jr - US Patent 6,009,368, 1999 - Google Patents  
 ... Avehicle **adaptive cruise control** system having active deceleration control provides for ... through mini-mization of inter-vehicle spacing. ... 28, 1999 Sheet 1 of 3 ...  
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**Optimal Adaptive Cruise Control with Guaranteed String Stability - all 9 versions »**

CY Liang, H Peng - **Vehicle System Dynamics**, 1999 - informaworld.com  
 Page 1. **Vehicle System Dynamics**, 31 (1999), pp.313-330 0042-3114/99/3204-313 \$15.00  
 ©Swets & Zeitlinger Optimal **Adaptive Cruise Control** with Guaranteed ...  
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**Towards an understanding of adaptive cruise control - all 5 versions »**

G Marsden, M McDonald, M Brackstone - Transportation Research Part C, 2001 - Elsevier  
 ... as collision warning (CW) and **adaptive cruise control** (ACC) devices. ... going in this area (Hayward, 1999 ... is of fundamental importance for vehicle manufacturers to ...  
 Cited by 31 - [Related Articles](#) - [Web Search](#) - [Library Search](#)

**A survey of intelligent vehicle applications worldwide - all 7 versions »**

R Bishop - Intelligent Vehicles Symposium, 2000. IV 2000. Proceedings ..., 2000 - ieeexplore.ieee.org  
 ... driver assistance product is **Adaptive Cruise Control** (ACC), now ... In 1999, Mitsubishi introduced its new Driver ... joint Advanced Safety **Vehicle** project, including ...  
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**Behavioural adaptation to driving with an adaptive cruise control (ACC) - all 3 versions »**

M Hoedemaeker, KA Brookhuis - Transportation Research Part F: Psychology and Behaviour, 1998 - Elsevier  
 ... Available online 7 July 1999. ... 2.2.2. **Adaptive Cruise Control**. In the absence of a leading vehicle the ACC controls speed by keeping the actual speed of the ...  
 Cited by 25 - [Related Articles](#) - [Web Search](#) - [Library Search](#)

**Research advances in intelligent collision avoidance and adaptive cruise control - all 3 versions »**

A Vahidi, A Eskandarian - Intelligent Transportation Systems, IEEE Transactions on, 2003 - ieeexplore.ieee.org  
 ... vehicle initiative (IVI). Now in the beginning of the 21st century while some auto-makers have already introduced features like **adaptive cruise control** (ACC ...  
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**Stop and go controller for adaptive cruise control**

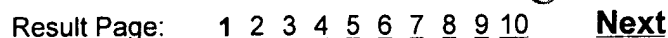
M Persson, F Botling, E.Hesslow, R Johansson - ... 1999. Proceedings of the 1999 IEEE

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[BOOK] Development of Vehicle Simulation Capability - all 5 versions »

JW Stoner, DF Evans, D McGehee, California, Center ... - 1997 - its.berkeley.edu  
 ... CT6 Graphic Pipeline Gould CT6 **Gateway** 60 Hz ... **vehicle** to go airborne. ... An automated highway **network** was created for studying the use of automated traffic lanes ...

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[PDF] An Investigation of Auditory Icons and Brake Response Times in a Commercial Truck-Cab Environment

J Winters - 1998 - scholar.lib.vt.edu

... As a whole, the road **network** was intended to meet ... dial gauges to monitor engine- and **vehicle**-related functions ... remains important in dealing with **events** such as ...

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[BOOK] Contemporary Ergonomics 1997: Proceedings of the Annual Conference of the Ergonomics Society: Stoke ...

SA Robertson - 1997 - books.google.com

... actions. A simulator could provide training to cope with such **events**; this research will contribute to it's development. Introduction ...

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**Modular rocket engine control software (MRECS) - all 4 versions »**

C Tarrant, J Crook - Digital Avionics Systems Conference, 1997. 16th DASC., AIAA/ ..., 1997  
 - [ieeexplore.ieee.org](#)

... Such as Ease of Portability to Various Processors and **Network** Options (ie ... Sent  
 External

from the Engine (eg, to the **Vehicle** or Engine ... 0 **Gateway** Pentium Pro PC ...

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**[PS] Web Technologies for Collaborative Visualization and Simulation - all 3 versions »**

L Beca, G Cheng, GC Fox, T Jurga, K Olszewski, M ... - Proceedings of the 8th SIAM  
 Conference on Parallel ..., 1997 - [npac.syr.edu](#)

... introduction of the CGI (Common **Gateway** Interface) mechanism ... Java language,  
 downloaded

through the **network** from an ... applica- tions, such as **vehicle** design, many ...

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**Java enabling collaborative education, health care, and computing**

L Beca, G Cheng, GC Fox, T Jurga, K Olszewski, M ... - Concurrency Practice and  
 Experience, 1997 - [doi.wiley.com](#)

... introduction of the CGI (Common **Gateway** Interface) mechanism ... certain applications  
 across the **network** through the ... ap- plications, such as **vehicle** design, many ...

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**Vehicle communication control apparatus - all 3 versions »**

T Sonoda - US Patent 5,948,025, 1999 - Google Patents

... efficiency of each **network** since each **network** operates individually ... control apparatus  
 merely serves as a **gateway**. ... When the **vehicle** electronic appliances 5 and 6 ...

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**Reliability improvement of the dual-priority protocol under unreliable transmission - all 4 versions »**

N Navet, YQ Song - Control Engineering Practice, 1999 - Elsevier

... because of con"dential- ity) and the bodywork **gateway**. ... This is the case for in-**vehicle**  
 networking, where CAN ... value quickly decreases with a lower **network** load. ...

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**[book] Real-Time Systems: Design Principles for Distributed Embedded Applications**

H Kopetz - 1997 - [books.google.com](#)

... Chapter 7 also briefly introduces a number of **event**- triggered real-time ... set of  
 (computer) nodes interconnected by a real-time communication **network** (see also ...

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**[PDF] A Literature Survey on Integrated Powertrain Control**

M Andersson, K Johansson - Machine and **Vehicle** Design, Chalmers University of ..., 1998 -  
[s2.chalmers.se](#)

... Krister Johansson Presented March 1998 Machine and **Vehicle** Design ... 1.1 B

**ACKGROUND**

Today, co-ordination of the control of subsystems in a **vehicle** is limited. ...

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**Computer Aided Design of Automotive Control Systems Using MATLAB®, Simulink®, and Stateflow TM**

RJ Gran - Mechatronics in Engineering Design and Product Development, 1999 - books.google.com

... engine torque, the in the "**vehicle** dynamics" subsystem ... The complete model of an **engine**

**controller** in Stateflow ... Simulink so that external **events** that depend ...

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**The electronic motorist - all 3 versions »**

RK Jurgen - Spectrum, IEEE, 1995 - [ieeexplore.ieee.org](#)

... maps stored on CD ROM, it displays colored icons denoting the **vehicle's** present ... Calif., is a \$650 option for Alpine's Ai-NET audio **network**, It operates ...

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**[book] Can System Engineering: From Theory to Practical Applications - all 2 versions »**

W Lawrenz - 1997 - books.google.com

... CAN protocol, which stands for Controller Area **Network**, being one of the most ... for short response times for the communication of so-called **event** related infor ...

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### System and method to determine fibre channel device locations using GPS

US Pat. 6643586 - Filed Dec 17, 2001 - International Business Machines Corporation

This looping continues until GPS **event** processing terminates (ie, ... Processing commences at 500 whereupon a **buffer** is created (step 505) for storing ...

### Electrically controlled automated devices to control equipment and machinery ...

US Pat. 6647328 - Filed Dec 18, 2000 - Kline and Walker LLC

Then this innovation could stop and detain a suspect **vehicle** while retrieving any ... By downloading on a daily **event** disk along with the officers comments, ...

### Electronically controlled sealing, unsealing and/or bonding with metal strip ...

US Pat. 7259357 - Filed Sep 5, 2003 - Kline and Walker LLC

Then this innovation could stop and detain a suspect **vehicle** while retrieving any ... By downloading on a daily **event** disk along with the officers comments, ...

buffer event vehicle gateway network

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L2	2	"6922701".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:20
L3	2	"6721614".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:12
L4	1	"1998".ay. and event with message with (period\$4 or interval or time or timestamp) with network and buffer with event and gateway with network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 15:54
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L6	0	"1999".ay. and event with messag\$4 with (period\$4 or interval or time or timestamp) with network and buffer with event and gateway with network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 15:55
L7	0	"1999".ay. and event with messag\$4 with (period\$4 or interval or time or timestamp) same network and buffer with event and gateway with network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 15:56
L8	5	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" "intelligent cruise control") and network with gateway and event with (period\$4 or poll\$3 or interval\$3 or time or timestamp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 15:59

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L9	15	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" "intelligent cruise control") and network with gateway and (period\$4 or poll\$3 or interval\$3 or time or timestamp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 15:59
L10	158	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" "intelligent cruise control") and network with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:00
L11	31	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" "intelligent cruise control") and network with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) and remot\$3 and event	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:01
L12	101	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" "intelligent cruise control") and (telecommunication or network or communication) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) same event	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:02
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L17	0	"5948025".pn. and (time or timestamp or gateway) and (buffer or cache)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:23
L18	1	"6429789".pn. and (time or timestamp or gateway)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:41
L19	1	"6263269".pn. and (time or timestamp or gateway)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:31
L20	760	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" or "engine controller") and (telecommunication or network or communication) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event and remot\$3 and (buffer or cache)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:39
L21	0	("engine controller") and (telecommunication or network) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event with (buffer or cache)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:39

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L22	547	("engine controller") and (telecommunication or network) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event and (buffer or cache)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:39
L23	0	("engine controller") and (telecommunication or network) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event with message and (buffer or cache) with message	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:40
L24	9	("engine controller") and (telecommunication or network) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event and message and (buffer or cache) with message	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:41
L25	27	("engine controller") and (telecommunication or network) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event and message and (buffer or cache) with (event or message)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:41
L26	2	"6577934".pn. and (time or timestamp or gateway)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:41